

**ABSTRACT OF THE DISCLOSURE**

A pulse wave measuring apparatus including a semiconductor substrate having a pressure-sensing device on a main surface and a protection member with an accommodation space therein for accommodating the semiconductor substrate detects a pulse wave of an artery located in a living body by pressing the semiconductor substrate against the body. A wall surface of the protection member that forms the accommodation space is arranged such that an air chamber is interposed between the wall surface and an end surface of the semiconductor substrate that is exposed to air. A pulse wave measuring apparatus of this structure allows accurate and stable measurement of the pulse wave.